max. 144 m³/h

ACmaxx axial fans

Series AC 3200 J 92 x 92 x 38 mm

- **Material:** Housing: GRP[1] (PBTP)
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Clockwise, seen on rotor
- **Connection:** Via single wires AWG 22, TR 64
- **Highlights:** Universally usable for all mains voltages between 85 and 265 VAC
- **Mass:** 325 g

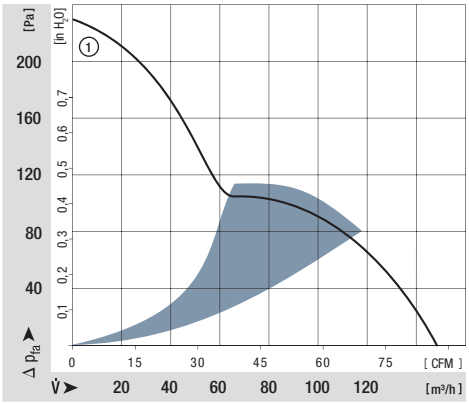
- **Possible special versions:**
  (See chapter DC fans - specials)
  - Speed signal
  - Go / No-go alarm
  - Alarm with limit speed
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analogue control input
  - Protection against moisture
  - Protection against salt fog
  - Type of protection: IP 54

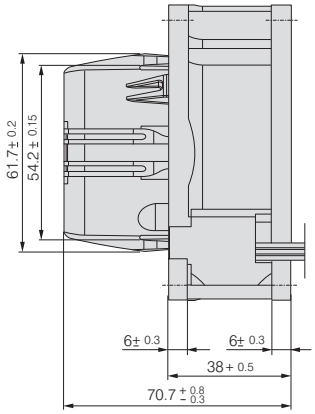
1) Fibreglass-reinforced plastic

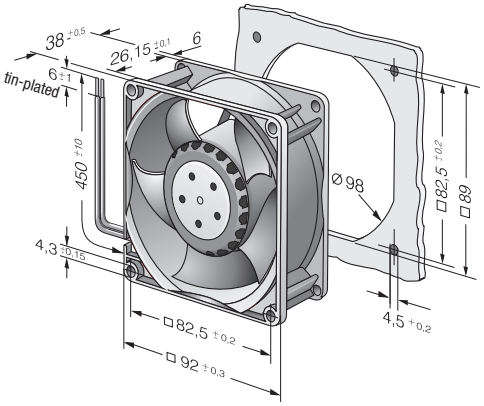
Nominal data	Air flow	Air flow	Nominal voltage	Frequency	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings / Ball bearings	Input power	Nominal speed	Temperature range	Service life L_{10} at 40 °C	at T_{max}	
Type	**m³/h**	**CFM**	**V**	**Hz**	**VAC**	**dB(A)**	**Bel(A)**	**□/■**	**Watts**	**rpm**	**°C**	**Hours**	**Hours**	
AC 3200 JH	144	85	**115 / 230**	**50 / 60**	85 ... 265	55	6,4	/■	12	6 800	-20...+70	70 000 / 35 000		①

Subject to alternations

Speed variants available on request.







max. 204 m³/h

ACmaxx axial fans

Series AC 4300 119 x 119 x 32 mm

- **Material:** Housing: GRP[1] (PBTP)
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Clockwise, seen on rotor
- **Connection:** Via single wires AWG 22, TR 64
- **Highlights:** Universally usable for all mains voltages between 85 and 265 VAC
- **Mass:** 325 g

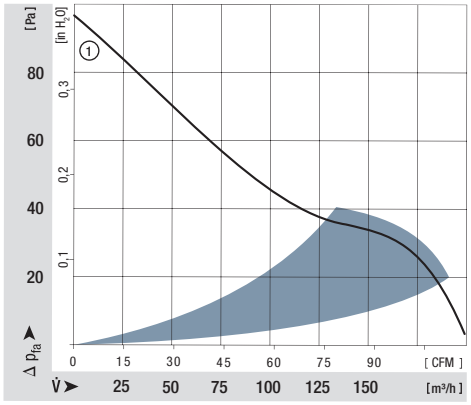
- **Possible special versions:**
  (See chapter DC fans - specials)
  - Speed signal
  - Go / No-go alarm
  - Alarm with limit speed
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analogue control input
  - Protection against moisture
  - Protection against salt fog
  - Type of protection: IP 54 / IP 68

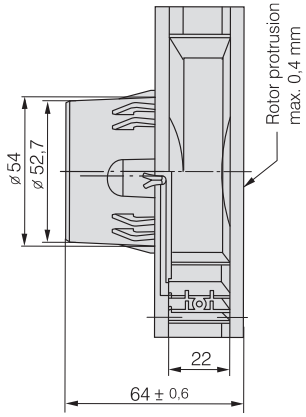
1) Fibreglass-reinforced plastic

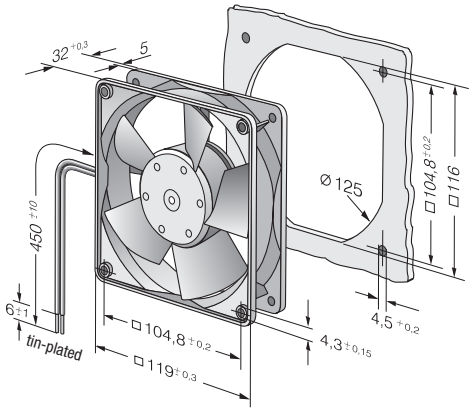
Nominal data	Air flow	Air flow	Nominal voltage	Frequency	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings / Ball bearings	Input power	Nominal speed	Temperature range	Service life L_{10} at 40 °C	at T_{max}	Kennlinie
Type	**m³/h**	**CFM**	**V**	**Hz**	**VAC**	**dB(A)**	**Bel(A)**	**□ / ■**	**Watts**	**rpm**	**°C**	**Hours**	**Hours**	
AC 4300 H	204	120	**115 / 230**	**50 / 60**	85 ... 265	51	6,4	/■	12	3 400	-20...+70	45 000 / 22 500		①

Subject to alternations

Speed variants available on request.







max. 350 m³/h

ACmaxx axial fans

Series AC 6100 N 172 x 160 x 51 mm

- **Material:** Housing: GRP[1] (PA)
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Counter clockwise, seen on rotor
- **Connection:** Via single wires AWG 22, TR 64
- **Highlights:** Universally usable for all mains voltages between 85 and 265 VAC, 50-60 Hz
- **Mass:** 760 g

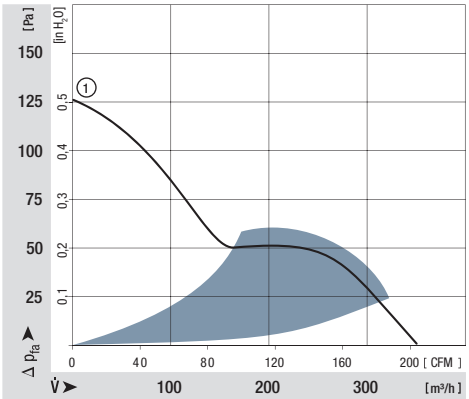
- **Possible special versions:**
  (See chapter DC fans - specials)
  - Speed signal
  - Go / No-go alarm
  - Alarm with limit speed
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analogue control input
  - Protection against moisture

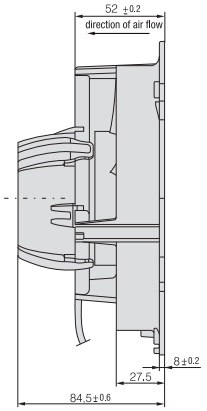
1) Fibreglass-reinforced plastic

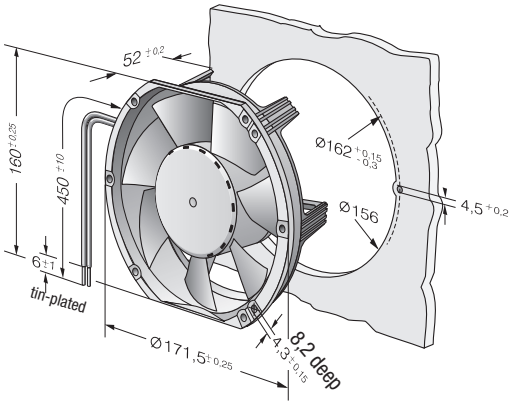
Nominal data	Air flow	Air flow	Nominal voltage	Frequency	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings / Ball bearings	Input power	Nominal speed	Temperature range	Service life L_{10} at 40 °C	at T_{max}	Curve
Type	**m³/h**	**CFM**	**V**	**Hz**	**VAC**	**dB(A)**	**Bel(A)**	**□/■**	**Watts**	**rpm**	**°C**	**Hours**	**Hours**	
AC 6100 NM	350	206	**115 / 230**	**50 / 60**	85 ... 265	52	6,1	/■	14	2 850	-20...+70	80 000 / 37 500		①

Subject to alternations

Speed variants available on request.







max. 350 m³/h

ACmaxx axial fans

Series AC 6200 N Ø 172 x 51 mm

- **Material:** Housing: Die-cast aluminium
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Counter clockwise, seen on rotor
- **Connection:** Via single wires AWG 22, TR 64
- **Highlights:** Universally usable for all mains voltages between 85 and 265 VAC, 50-60 Hz
  Housing with grounding lug for screw M4 x 8 (Torx)
- **Mass:** 900 g

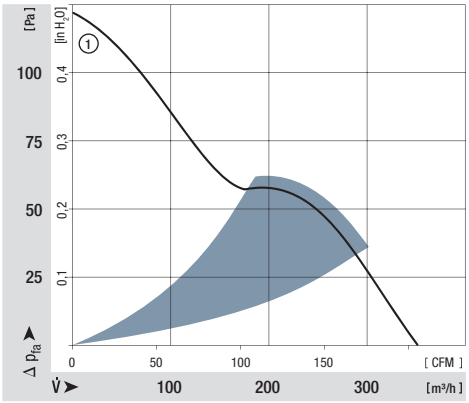
1) Fibreglass-reinforced plastic

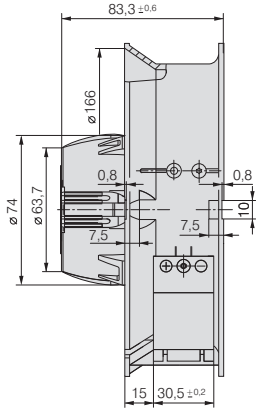
- **Possible special versions:**
  (See chapter DC fans - specials)
  - Speed signal
  - Go / No-go alarm
  - Alarm with limit speed
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analogue control input
  - Protection against moisture
  - Protection against salt fog
  - Type of protection: IP 54

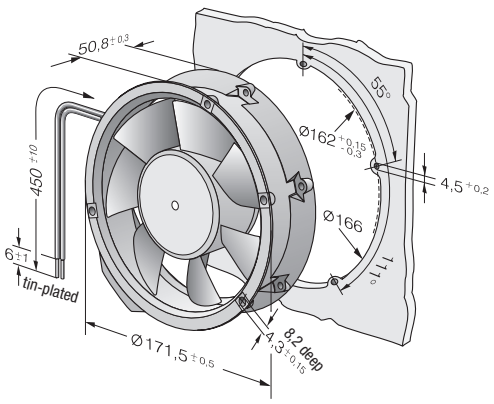
Nominal data	Air flow	Air flow	Nominal voltage	Frequency	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings / Ball bearings	Input power	Nominal speed	Temperature range	Service life L_{10} at 40 °C	at T max	Curve
Type	**m³/h**	**CFM**	**V**	**Hz**	**VAC**	**dB(A)**	**Bel(A)**	**□ / ■**	**Watts**	**rpm**	**°C**	**Hours**	**Hours**	
AC 6200 NM	350	206	**115 / 230**	**50 / 60**	85 ... 265	50	5,7	/ ■	14	2 850	-20...+70	80 000 / 40 000		①

Subject to alternations

Speed variants available on request.







max. 80 m³/h

ACmaxx axial fans

Series AC 8300 H 80 x 80 x 32 mm

- **Material:** Housing: GRP[1] (PBTP)
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Clockwise, seen on rotor
- **Connection:** Via single wires AWG 22, TR 64
- **Highlights:** Universally usable for all mains voltages between 85 and 265 VAC
- **Mass:** 325 g

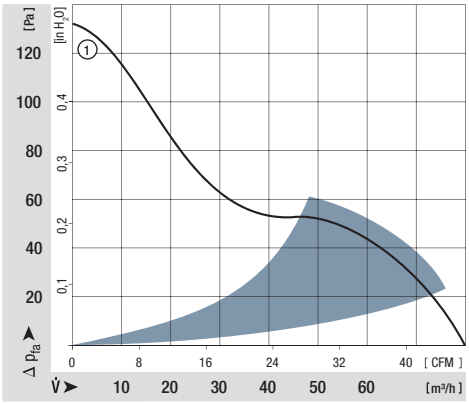
- **Possible special versions:**
  (See chapter DC fans - specials)
  - Speed signal
  - Go / No-go alarm
  - Alarm with limit speed
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analogue control input
  - Protection against moisture
  - Protection against salt fog
  - Type of protection: IP 54

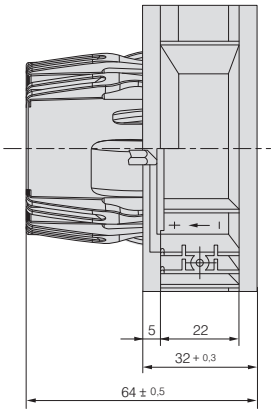
1) Fibreglass-reinforced plastic

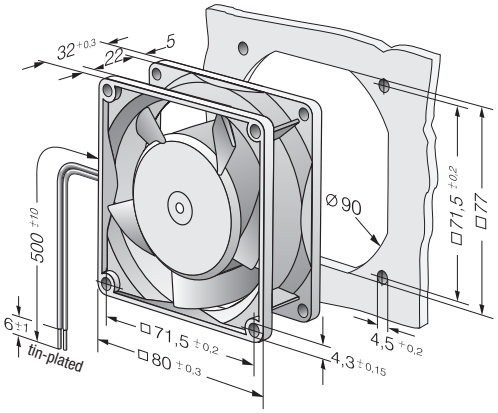
Nominal data	Air flow	Air flow	Nominal voltage	Frequency	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings / Ball bearings	Input power	Nominal speed	Temperature range	Service life L_{10} at 40 °C	at T_{max}	Curve
Type	**m³/h**	**CFM**	**V**	**Hz**	**VAC**	**dB(A)**	**Bel(A)**	**□ / ■**	**Watts**	**rpm**	**°C**	**Hours**	**Hours**	
AC 8300 H	80	47	**115 / 230**	**50 / 60**	85 ... 265	48	6,2	/ ■	8,3	5 000	-20...+75	55 000 / 25 000		①

Subject to alternations

Speed variants available on request.







max. 175 m³/h

GreenTech EC-Compact fan axial fans

Series ACi 4400 119 x 119 x 38 mm

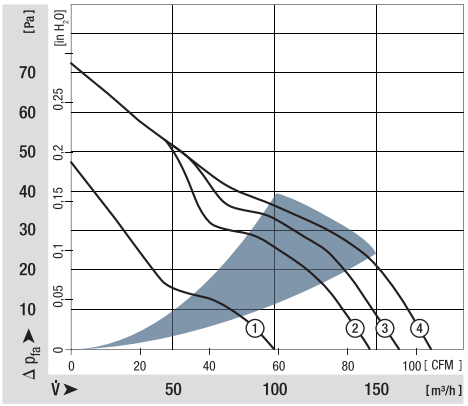
- **Material:** Housing: GRP[1] (PBT)
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Clockwise, seen on rotor
- **Connection:** via 2 flat plugs 2,8 x 0,5 mm
  flying leads optional
- **Highlights:** Fully integrated converter and fan electronics
- **Mass:** 250 g

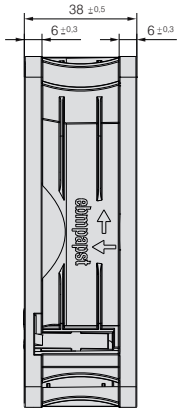
- **Possible special versions:**
  (See chapter DC fans - specials)
  - Protection against moisture
  - Protection against salt fog
  - Type of protection: IP 54

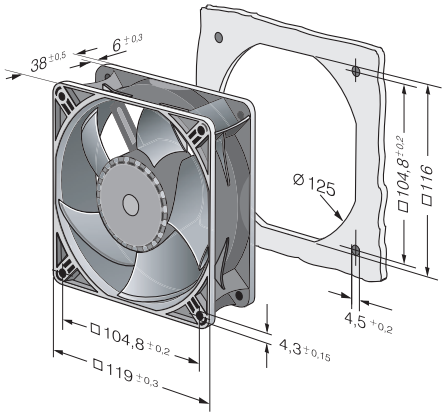
1) Fibreglass-reinforced plastic

Nominal data	Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings / Ball bearings	Input power	Nominal speed	Temperature range	Service life L_{10} (40 °C) ebm-papst Standard / Service life L_{10} (T_{max}) ebm-papst Standard	Life expectancy L_{10}IPC (40 °C) see page 17	Curve
Type	**m³/h**	**CFM**	**VDC**	**VDC**	**dB(A)**	**Bel(A)**	□/■	**Watts**	**rpm**	**°C**	**Hours**	**Hours**	
ACi 4420 ML	100	59	**230**	195...265	25	4,1	■	1,4	1 850	-20...+75	65 000 / 25 000	110 000	①
ACi 4420 N	147	86	**230**	195...265	36	4,9	■	2,8	2 700	-20...+75	65 000 / 25 000	110 000	②
ACi 4420 H	160	94	**230**	195...265	39	5,1	■	3,3	3 000	-20...+75	65 000 / 25 000	110 000	③
ACi 4420 HH	175	106	**230**	195...265	42	5,3	■	4,4	3 300	-20...+75	65 000 / 25 000	110 000	④
ACi 4410 HH	175	106	**115**	85...132	42	5,3	■	4,4	3 300	-20...+75	65 000 / 25 000	110 000	④

Subject to alternations







ebmpapst

Product Data Sheet AC 4400 FNNR

ebmpapst

Die Wahl der Ingenieure

GREEN TECH

AC 4400 FNNR

INDEX

1 General

Fan type	Fan
Rotational direction looking at rotor	counterclockwise
Airflow direction	Air outlet over struts
Bearing system	Ball bearing
Mounting position	any

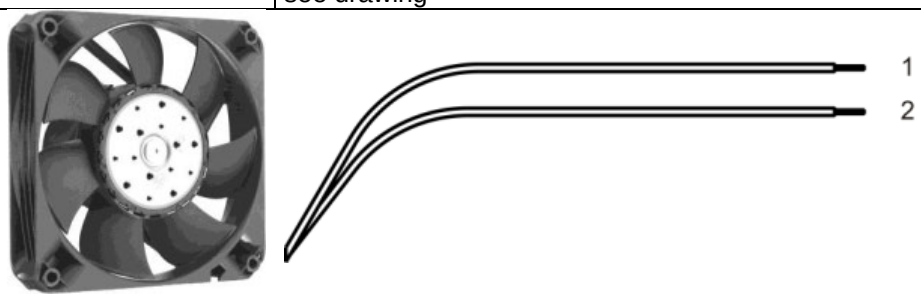
2 Mechanics

2.1 General

Width	119,0 mm	
Height	119,0 mm	
Depth	58,0 mm	
Diameter	0,0 mm	
Weight	0,370 kg	
Housing material	Plastic	
Impeller material	Plastic	

2.2 Connections

Electrical connection	Wires	
Length of lead wire Tolerance	L = 450 mm +- 10,0 mm	
Length of tube Tolerance	S = 15 mm +- 5 mm	
Wire gauge (AWG)	22	
Insulation diameter		
Plug	see drawing	
Contact	see drawing	



	Colour	Operation
Wire 1	black	L1
Wire 2	black	L2

3 Operating Data

3.1 Operating Data - Electrical Interface - Input

External voltage supply for input and output signals must be SELV conform.

Control input	None

3.2 Electrical Operating Data

Features	Condition	Symbol	Values			
Voltage range	Δp = 0	U	85 V		265 V	115 V
Nominal voltage	Δp = 0	U_N		230 V		
Frequency	Δp = 0	f	50 Hz			60 Hz
Power consumption Tolerance	Δp = 0	P	12 W +- 15 %	12 W +- 15 %	12 W +- 20 %	12 W +- 20 %
Speed Tolerance	Δp = 0	n	4.850 1/min +- 10 %	4.850 1/min +- 10 %	4.850 1/min +- 10 %	4.850 1/min +- 10 %

3.3 Operating Data - Electrical Interface -Output

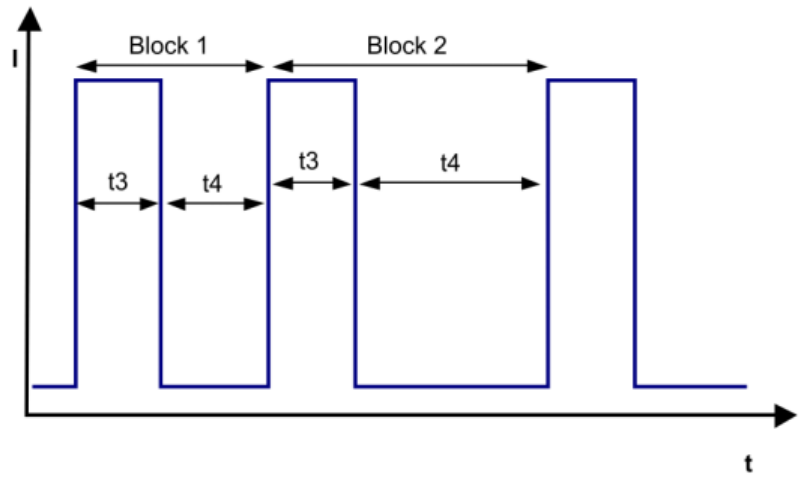
External voltage supply for input and output signals must be SELV conform.

Tacho type	None

Alarm type	None

3.4 Electrical Features

Electronic function	None	
Locked rotor protection	Auto restart	
Clock signal t3/t4 at locked rotor	Typical: 0,25 s / 20 s	



3.5 Aerodynamic

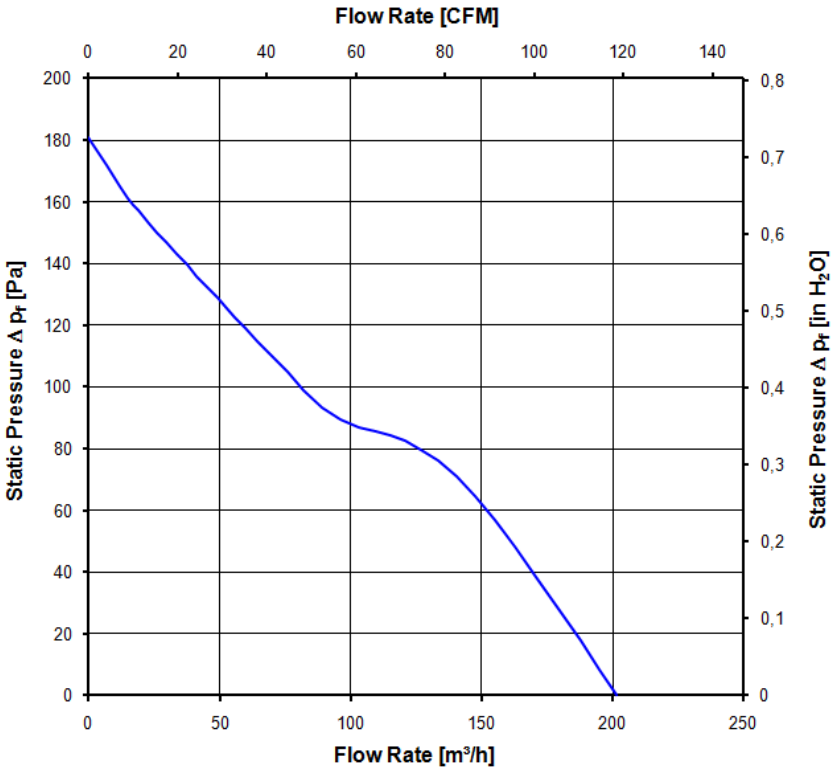
Measurement conditions:	Measured with a double chamber intake rig acc. to DIN EN ISO 5801. Normal air density = 1,2 kg/m3; Temperature 23°C +/- 3°C; In the intake and outlet area should not be any solid obstruction within 0,5 m. The information is only valid under the specified test conditions and may be changed by the installation conditions. If there are deviations from the standard test conditions, the characteristic values must be checked under the installed conditions.

a) Operation condition:
4.850 1/min at free air flow Frequency: 50 Hz Nominal voltage: 230 V

Max. free-air flow (Δp = 0 / V̇ = max.)	205 m3/h
Max. static pressure (Δp = max. / V̇ =0)	168 Pa

b) Operation condition:
4.850 1/min at free air flow Frequency: 60 Hz Nominal voltage: 115 V

Max. free-air flow (Δp = 0 / V̇ = max.)	205 m3/h
Max. static pressure (Δp = max. / V̇ =0)	168 Pa



3.6 Sound Data

Measurement conditions:	Sound pressure level: 1 Meter distance between microphone and the air intake. Sound power level: Acc. to DIN 45635 part 38 (ISO 10302) Measured in a semianchoic chamber with a background noise level of Lp(A) < 5 dB(A) For further measurement conditions see section 3.4

a) Operation condition:
4.850 1/min at free air flow Frequency: 50 Hz Nominal voltage: 230 V

Optimal operating point	128,0 m3/h @ 75 Pa	
Sound power level at the optimal operating point	6,2 bel(A)	
Sound pressure level at free air flow, measured in rubber bands	53,0 dB(A)	

b) Operation condition:
4.850 1/min at free air flow Frequency: 60 Hz Nominal voltage: 115 V

Optimal operating point	128,0 m3/h @ 75 Pa	
Sound power level at the optimal operating point	6,2 bel(A)	
Sound pressure level at free air flow, measured in rubber bands	53,0 dB(A)	

4 Environment

4.1 General

Min. permitted ambient temperature TU min.	-20 °C	
Max. permitted ambient temperature TU max.	70 °C	
Min. permitted storage temperature TL min.	-40 °C	
Max. permitted storage temperature TL max.	80 °C	

4.2 Climatic requirements*)

Humidity requirements	humid heat, constant; according to DIN EN 60068-2-78, 14 days	
Water exposure	None	
Radiation exposure	None	
Dust requirements	None	
Salt fog requirements	None	
Harmful gas requirements	None	
Humidity requirements	humid heat, cyclic; according to DIN EN 60068-2-30, 6 cycle	
Water exposure	None	
Radiation exposure	None	
Dust requirements	Dust check; according to DIN EN 60068-2-68, 6g/m2d, 1 day	
Salt fog requirements	None	
Harmful gas requirements	None	

*) Permittet application area:
The product is intended for use in sheltered rooms with controlled temperature and controlled humidity. Directly exposure to water must be avoided.
Pollution degree 1 (according DIN EN 60664-1)
There is either no pollution or it occurs only dry, non-conductive pollution. The pollution has no negative impact.

5 Safety

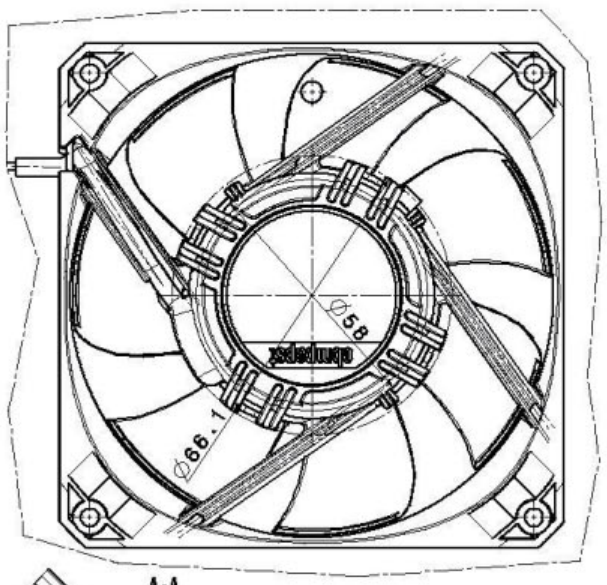
5.1 Electrical Safety

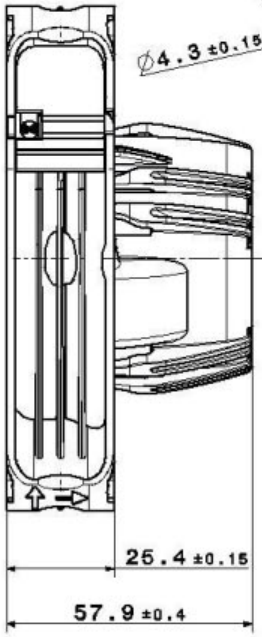
A verification of thermal conditions (normal and abnormal operation) as well as the protection against electric shock, ingress of solid foreign objects and water has to be done in conjuction with the appliance.	
Test voltage HV type test	1500 V
Unit test voltage	VAC
Time type test HV	1 s
Insulation resistance	RI > 10 MOhm
Protection class	built-in fan

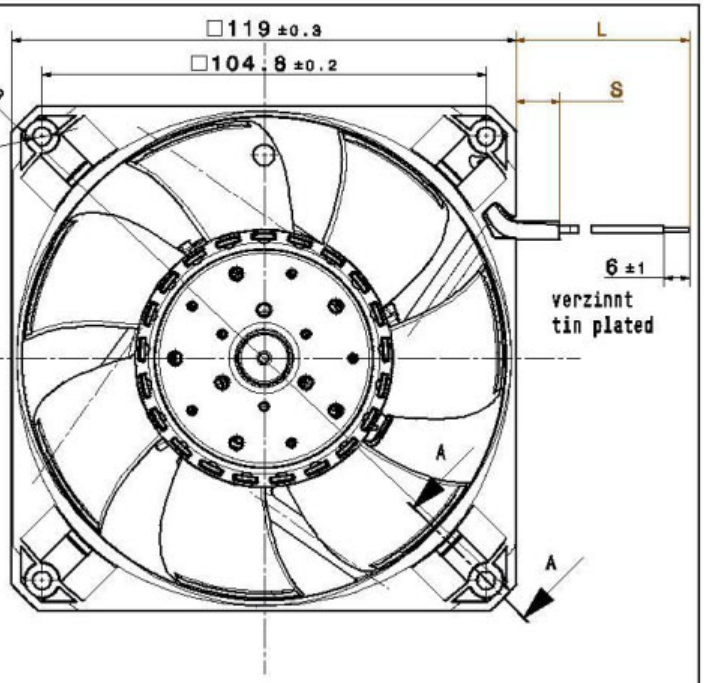
5.2 Approval Tests

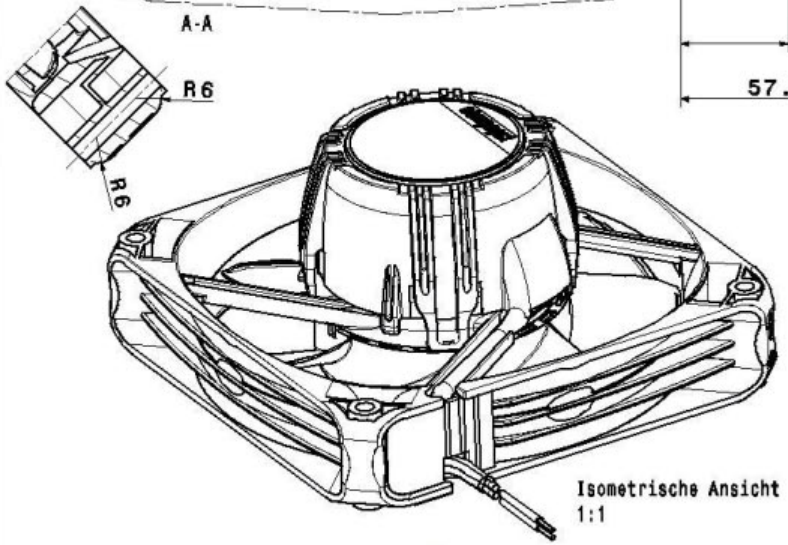
CE	EC Declaration of Conformity	Yes
EAC	Eurasian Conformity	Yes
UL	Underwriters Laboratories	Yes
VDE	Association for Electrical, Electronic and Information Technologies	Yes
CSA	Canadian Standards Association	Yes
CCC	China Compulsory Certification	Yes

According to the guidelines on the application of Directive 2006/95/EC, chapter III: Scope of the "low voltage" directive, paragraph: Are "components" included in the scope? the following has to be applied:
However, some types of electrical devices, designed and manufactured for being uses as basic components to be incorporated into other electrical equipment, are such that their safety to a very large extent depends on how they are integrated into the final product and the overall characteristics of the final product. These basic components include electronic and certain other components.
Taking into account these objectives of the "Low Voltage" Directive, such basic components, the safety of which can only, to a very large extend, be assessed taking into account, how they are incorporated and for which a risk assessment cannot be undertaken, then they are not covered as such by the Directive. In particular, they must not be CE marked unless covered by other Community legislation that requires CE marking.









Isometrische Ansicht
1:1

Anzahl und Länge der Litzen (L) sowie Schlauchlänge (S) siehe Produktspezifikation
lenght (L) and number of wires and lenght (S) of tube see design specification

Axialspiel bei - Kugellagerung : 0 (Federspannung)
axial clearance by - Ball bearings : 0 (spring-tension)

					Werkstoff / Material:	Volumen / Volume (cm³): 177.826,896	
						Gewicht / Mass (g): ,247583	
			Datum	Name			
					Artikel / Title:		
Toleranzen / Tolerances:							
Allgemeintoleranzen / Gen. Tolerances:					Zeichn.-Nr./ Drawing No:		Ers.f.Zeichn. / Replaces:
					Dokumentart / Type of Document	Teil/Dokument (Blatt)/Page)	Index / Index	Format / Size	Maßstab/Scale

ebmpapst

ebm-papst St.Georgen GmbH & Co KG

Product Data Sheet ACi 4420 MLR

ebmpapst

Die Wahl der Ingenieure

GREEN TECH

ACi 4420 MLR

INDEX

1 General

Fan type	Fan
Rotational direction looking at rotor	clockwise
Airflow direction	Air outlet over struts
Bearing system	Ball bearing
Mounting position	any

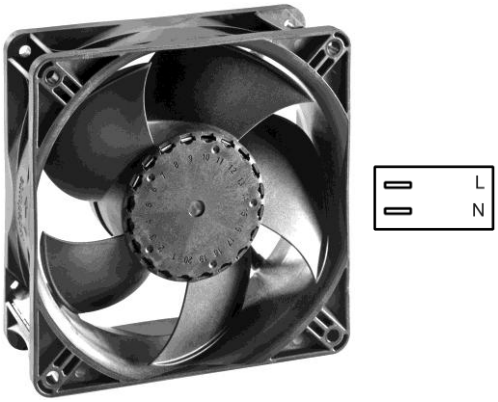
2 Mechanics

2.1 General

Width	120 mm	
Height	120 mm	
Depth	38,0 mm	
Diameter	0,0 mm	
Weight	0,275 kg	
Housing material	Plastic	
Impeller material	Plastic	
Max. torque when mounted across both mounting flanges Screw size	wire outlet corner: 50 Ncm remaining corners: 80 Ncm ISO 4762 - M4 degreased, without an additional brace and without washer	

2.2 Connections

Electrical connection	Plug	
Length of lead wire Tolerance	see drawing	
Length of tube Tolerance	see drawing	
Wire gauge (AWG)		
Insulation diameter		
Plug	see drawing	
Contact	see drawing	



3 Operating Data

3.1 Operating Data - Electrical Interface - Input

External voltage supply for input and output signals must be SELV conform.

3.2 Electrical Operating Data

Features	Condition	Symbol	Values			
Voltage range	Δp = 0	U				
Nominal voltage	Δp = 0	U_N		230 V		
Frequency	Δp = 0	f		50 Hz		
Power consumption Tolerance	Δp = 0	P		1,7 W +- 20,0 %		
Speed Tolerance	Δp = 0	n		1.850 1/min +- 10,0 %		

3.3 Operating Data - Electrical Interface -Output

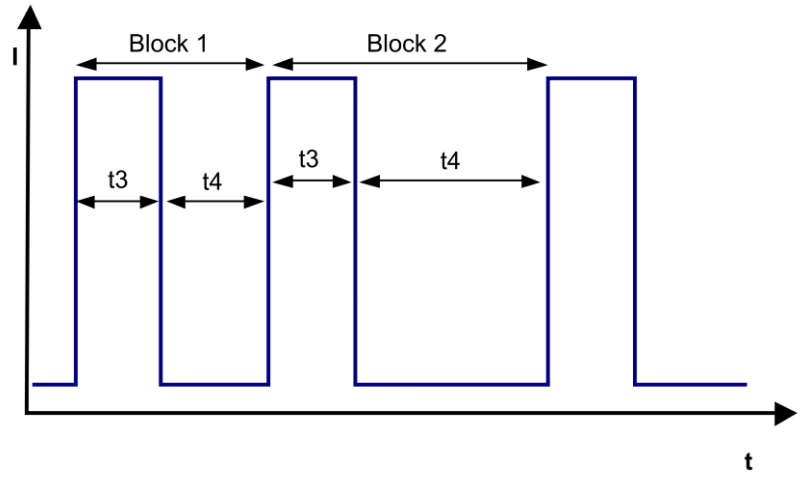
External voltage supply for input and output signals must be SELV conform.

Tacho type	None

Alarm type	None

3.4 Electrical Features

Electronic function	Speed-Controlled	
Locked rotor protection	Auto restart	
Clock signal t3/t4 at locked rotor	Typical: 0,25 s / 10,0 s	



3.5 Aerodynamic

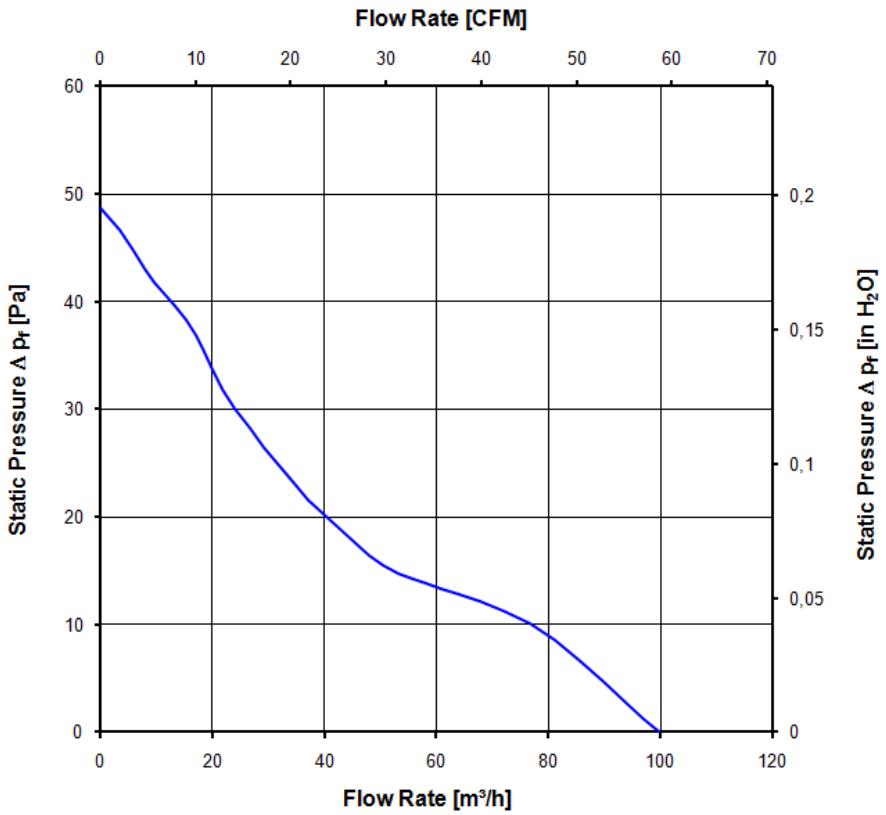
Measurement conditions:	Measured with a double chamber intake rig acc. to DIN EN ISO 5801. Normal air density = 1,2 kg/m3; Temperature 23°C +/- 3°C; In the intake and outlet area should not be any solid obstruction within 0,5 m. The information is only valid under the specified test conditions and may be changed by the installation conditions. If there are deviations from the standard test conditions, the characteristic values must be checked under the installed conditions.

a) Operation condition:
1.850 1/min at free air flow Frequency: 50 Hz Nominal voltage: 230 V

Max. free-air flow (Δp = 0 / V̇ = max.)	100,0 m3/h
Max. static pressure (Δp = max. / V̇ =0)	48 Pa

b) Operation condition:
at free air flow Frequency: Nominal voltage:

Max. free-air flow (Δp = 0 / V̇ = max.)	
Max. static pressure (Δp = max. / V̇ =0)	



3.6 Sound Data

Measurement conditions:	Sound pressure level: 1 Meter distance between microphone and the air intake. Sound power level: Acc. to DIN 45635 part 38 (ISO 10302) Measured in a semianchoic chamber with a background noise level of Lp(A) < 5 dB(A) For further measurement conditions see section 3.4

a) Operation condition:
1.850 1/min at free air flow Frequency: 50 Hz Nominal voltage: 230 V

Optimal operating point	84,0 m3/h @ 7 Pa	
Sound power level at the optimal operating point	4,1 bel(A)	
Sound pressure level at free air flow, measured in rubber bands	25,0 dB(A)	

b) Operation condition:
at free air flow Frequency: Nominal voltage:

Optimal operating point		
Sound power level at the optimal operating point		
Sound pressure level at free air flow, measured in rubber bands		

4 Environment

4.1 General

Min. permitted ambient temperature TU min.	-20 °C	
Max. permitted ambient temperature TU max.	75 °C	
Min. permitted storage temperature TL min.	-40 °C	
Max. permitted storage temperature TL max.	80 °C	

4.2 Climatic requirements*)

Humidity requirements	humid heat, cyclic; according to DIN EN 60068-2-30, 6 cycle	
Water exposure	None	
Radiation exposure	None	
Dust requirements	Dust check; according to DIN EN 60068-2-68, 6g/m2d, 1 day	
Salt fog requirements	None	
Harmful gas requirements	None	

*) Permittet application area:
The product is for the use in sheltered rooms with limited controlled temperature. Occasionally condensed water is allowed. Direct exposure to water must be avoided. Saline ambient conditions must be avoided.
Pollution degree 2 (according DIN EN 60664-1)
It occurs only non-conductive pollution. Occassionally, temporary conductivity caused by condensation occurs.

5 Safety

5.1 Electrical Safety

A verification of thermal conditions (normal and abnormal operation) as well as the protection against electric shock, ingress of solid foreign objects and water has to be done in conjuction with the appliance.

Test voltage HV type test	3000 V
Unit test voltage	VAC
Time type test HV	1 s
Insulation resistance	RI > 10 MOhm
Protection class	built-in fan

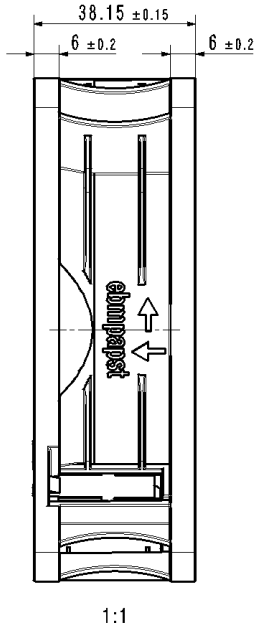
5.2 Approval Tests

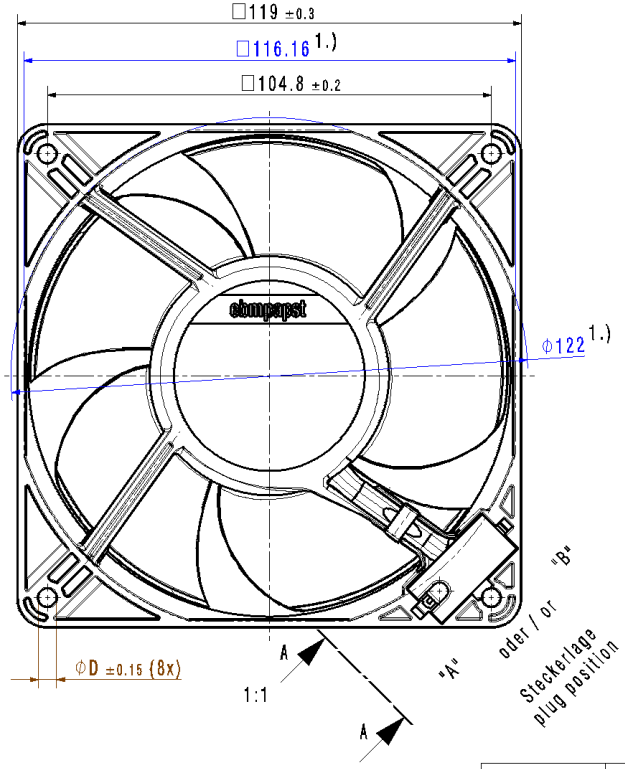
CE	EC Declaration of Conformity	Yes
EAC	Eurasian Conformity	Yes
UL	Underwriters Laboratories	Yes
VDE	Association for Electrical, Electronic and Information Technologies	Yes
CSA	Canadian Standards Association	Yes
CCC	China Compulsory Certification	Yes

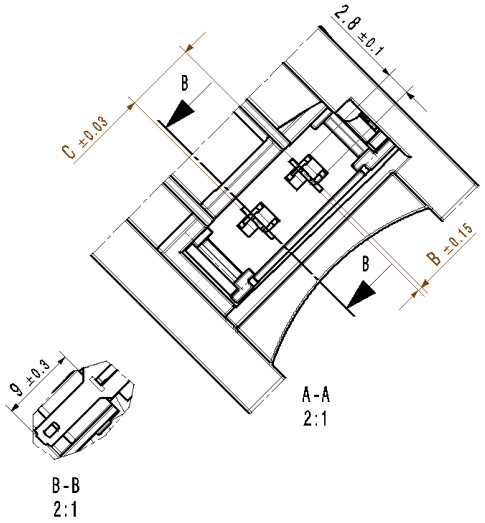
6 Reliability

6.1 General

Life expectancy L10 at TU = 40 °C	65.000 h	
Life expectancy L10 at TU max.	30.000 h	
Life expectancy L10 Delta (40 °C)	130.000 h	
Life expectancy L10 acc. to IPC 9591 at TU = 40 °C	110.000 h	







Erzeugnis-Nr. product-no.	Typ model	Befestigungsbohrung Ø mounting hole Ø D	Steckermasse plug dimension B / C	Steckerlage plug position "A" / "B"
9203509001	ACi 4420 HH	4.3	0.5 / 8.5	"A"
(A) 9203509101	ACi 4410 HH	4.3	0.5 /8.5	" A "

SAP-Status/State	Aend.-Nr./ Change-No.	CATIA-System-Version/ CATIA-System-Version	CAD-Umgebung/ CAD-Environment	Werkstoff / Material:	Volumen / Volume (mm³):	
					Gewicht / Mass (g):	
		9203509001 CPR00A		Artikel / Title:		
		3D-Referenzmodell / 3D-Referencemodel				
Tolerierung / Tolerances:		Datum	Name			
		Bearb./ Drawn				
Allgemeintoleranzen / Gen. Tolerances:		Gepr./ Checked		Zchg.-Nr./ Drawing No:	Ers.f.Zchg. / Replaces:	
		Freig./ Release				
		ebmpapst		Dokumenttyp / Type of Document	Teildokument (Blatt/Page)	Index / Index
		ebm-papst St.Georgen GmbH & Co KG				

Format / Size:	Massstab/Scale

1.) Maße für Montagewand
1.) dimension for worktop mounting
- Kein Axialspiel bei Kugellager durch Federausgleich
  no axial clearence of ball bearings conditional in a pre-load spring

max. 370 m³/h

Energy-saving axial fans

Ø 130 mm

- **Material:** Wall ring: Plastic PP, fibreglass-reinforced; Blades: Plastic PA, fibreglass-reinforced
- **Number of blades:** 7
- **Direction of air flow:** "V", exhaust over struts
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Operation mode:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

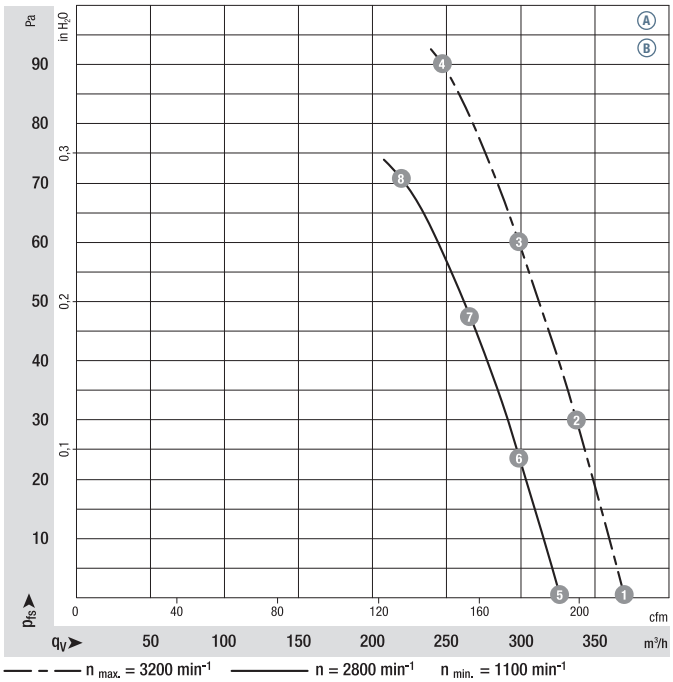
Nominal data

Type	Motor	Curve	Nominal voltage	Frequency	Speed / rpm[1]	Max.input power[1]	Max.current draw[1]	Max. back-pressure	Perm. amb. temp.	Mass	Electrical connections
			VAC	Hz	rpm	W	A	Pa	°C	kg	
W1G130-AA49 -01	M1G055-AI	Ⓐ	1~ 115	50/60	3200	24	0,38	90	-30..+60	0,75	p. 259 / J7)
W1G130-AA25 -01	M1G055-AI	Ⓑ	1~ 230	50/60	3200	24	0,19	90	-30..+70	0,75	p. 259 / J7)

Subject to alternations

[1] Nominal data in operating point with maximum load and 115 or 230 VAC

Curve:



—— – —— $n_{max.}$ = 3200 min⁻¹ ——— n = 2800 min⁻¹ $n_{min.}$ = 1100 min⁻¹

		n rpm	P_{ed} W	I A	L_WA dB(A)
Ⓐ	1	3200	23	0,38	63
Ⓐ	2	3200	24	0,38	61
Ⓐ	3	3200	24	0,38	60
Ⓐ	4	3200	24	0,38	63
Ⓐ	5	2800	16	0,26	60
Ⓐ	6	2800	16	0,26	58
Ⓐ	7	2800	16	0,26	57
Ⓐ	8	2800	16	0,26	60
Ⓑ	1	3200	23	0,19	63
Ⓑ	2	3200	24	0,19	61
Ⓑ	3	3200	24	0,19	60
Ⓑ	4	3200	24	0,19	63
Ⓑ	5	2800	16	0,13	60
Ⓑ	6	2800	16	0,13	58
Ⓑ	7	2800	16	0,13	57
Ⓑ	8	2800	16	0,13	60

Air performance measured as per: ISO 5801, Installation category A, with ebm-papst inlet nozzle without protection against accidental contact. Suction-side noise levels: LWA as per ISO 13347, LpA measured at 1 m distance to fan axis. The acoustic values given are only valid under the measurment conditions listed and may vary depending on the installation situation. With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!
For detailed information see http://www.ebmpapst.com/general conditions

ebmpapst

max. 370 m³/h

Energy-saving axial fans

Ø 130 mm

- **Material:** Wall ring: Plastic PP, fibreglass-reinforced; Blades: Plastic PA, fibreglass-reinforced
- **Number of blades:** 7
- **Direction of air flow:** "V", exhaust over struts
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Operation mode:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

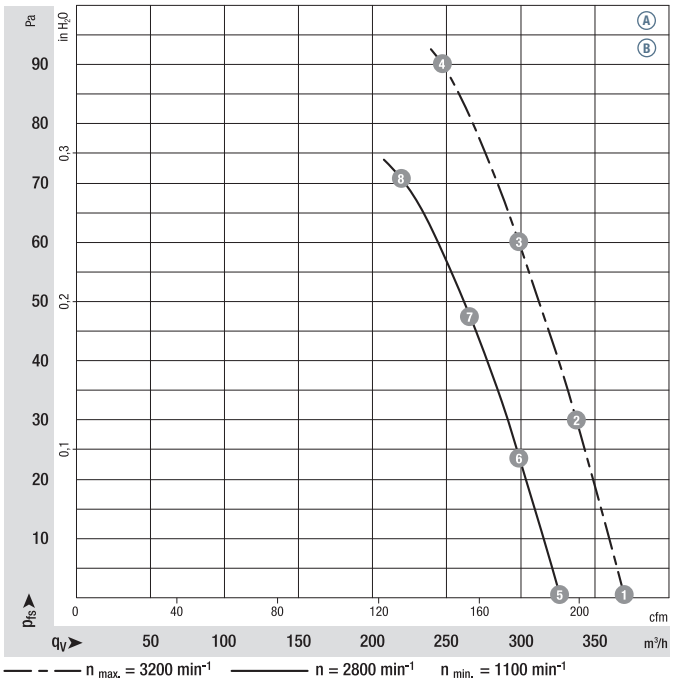
Nominal data

Type	Motor	Curve	Nominal voltage	Frequency	Speed / rpm[1]	Max.input power[1]	Max.current draw[1]	Max. back-pressure	Perm. amb. temp.	Mass	Electrical connections
			VAC	Hz	rpm	W	A	Pa	°C	kg	
W1G130-AA49 -01	M1G055-AI	Ⓐ	1~ 115	50/60	3200	24	0,38	90	-30..+60	0,75	p. 259 / J7)
W1G130-AA25 -01	M1G055-AI	Ⓑ	1~ 230	50/60	3200	24	0,19	90	-30..+70	0,75	p. 259 / J7)

Subject to alternations

[1] Nominal data in operating point with maximum load and 115 or 230 VAC

Curve:



—— – —— $n_{max.}$ = 3200 min⁻¹ ——— n = 2800 min⁻¹ $n_{min.}$ = 1100 min⁻¹

		n rpm	P_{ed} W	I A	L_WA dB(A)
Ⓐ	1	3200	23	0,38	63
Ⓐ	2	3200	24	0,38	61
Ⓐ	3	3200	24	0,38	60
Ⓐ	4	3200	24	0,38	63
Ⓐ	5	2800	16	0,26	60
Ⓐ	6	2800	16	0,26	58
Ⓐ	7	2800	16	0,26	57
Ⓐ	8	2800	16	0,26	60
Ⓑ	1	3200	23	0,19	63
Ⓑ	2	3200	24	0,19	61
Ⓑ	3	3200	24	0,19	60
Ⓑ	4	3200	24	0,19	63
Ⓑ	5	2800	16	0,13	60
Ⓑ	6	2800	16	0,13	58
Ⓑ	7	2800	16	0,13	57
Ⓑ	8	2800	16	0,13	60

Air performance measured as per: ISO 5801, Installation category A, with ebm-papst inlet nozzle without protection against accidental contact. Suction-side noise levels: LWA as per ISO 13347, LpA measured at 1 m distance to fan axis. The acoustic values given are only valid under the measurment conditions listed and may vary depending on the installation situation. With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!
For detailed information see http://www.ebmpapst.com/general conditions

ebmpapst